

FIG. 1

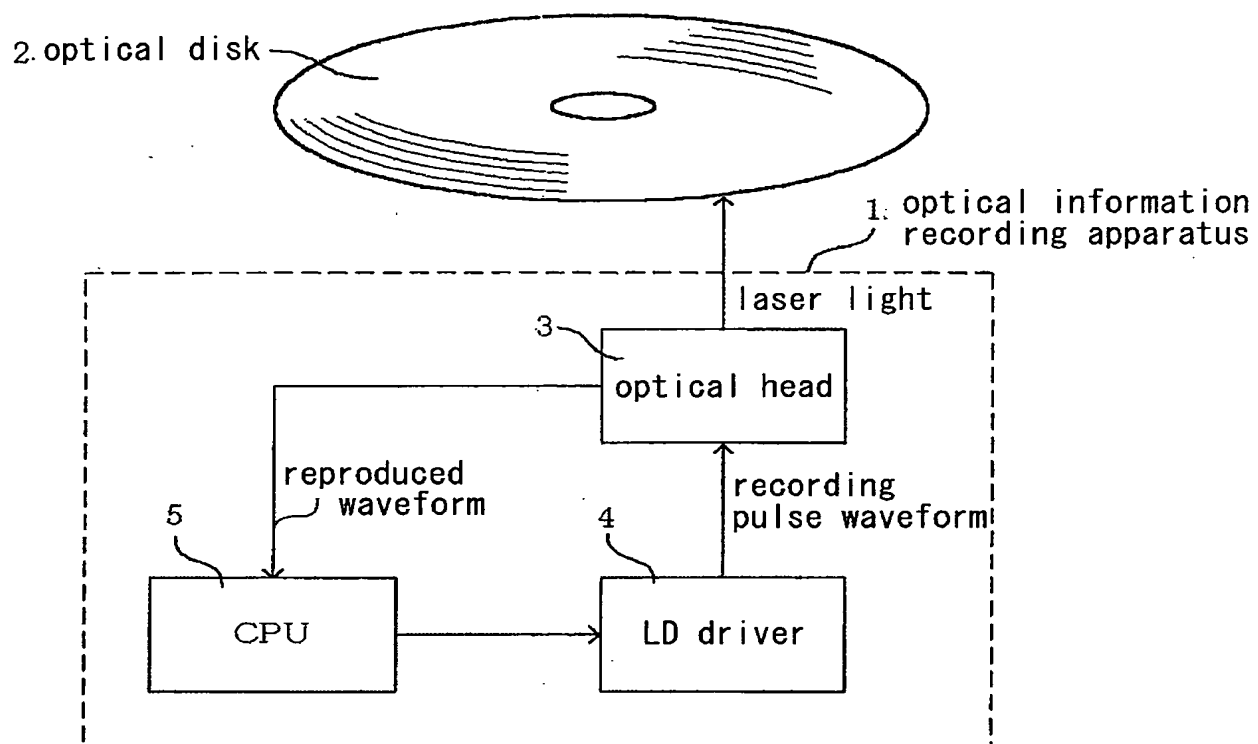


FIG. 2

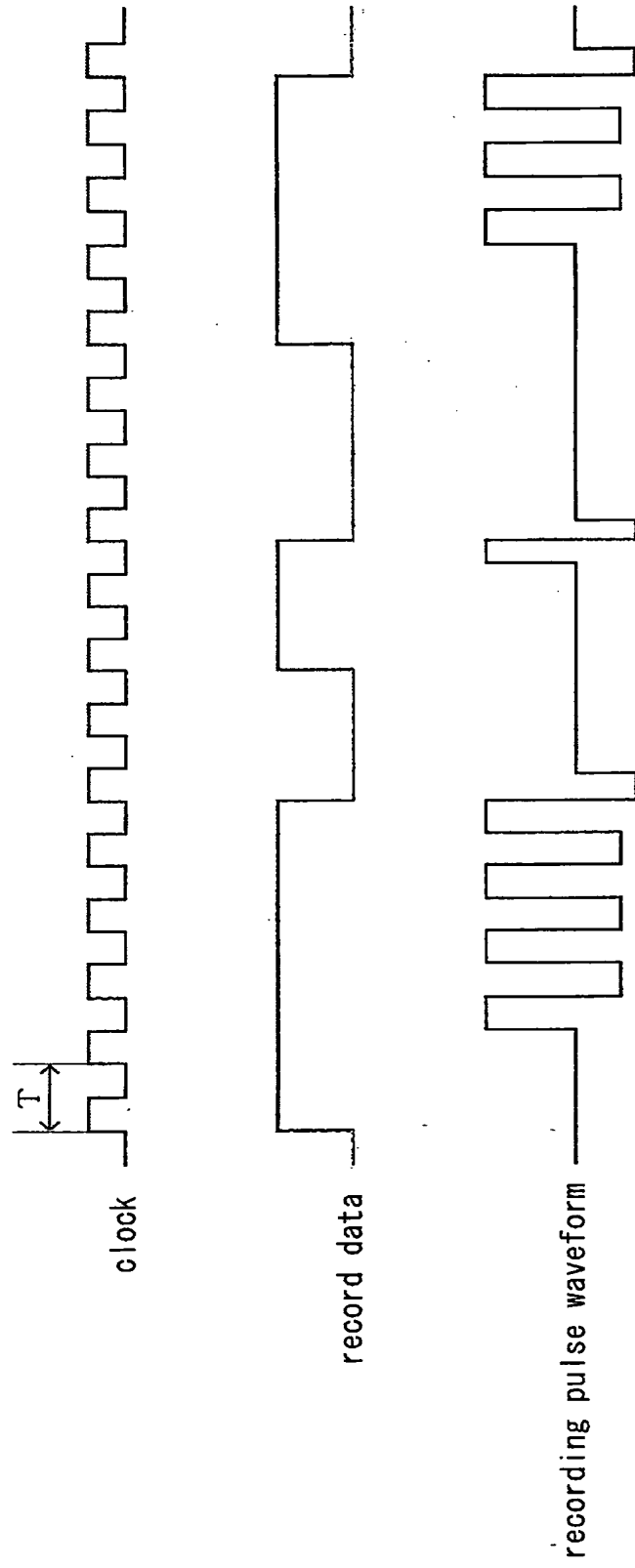


FIG. 3

$z_{p,1}$, $z_{p,2}$, $z_{p,3}$, $z_{p+3,1}$, $z_{p+3,2}$, $z_{p+3,3}$: time-series data of reproduced waveforms

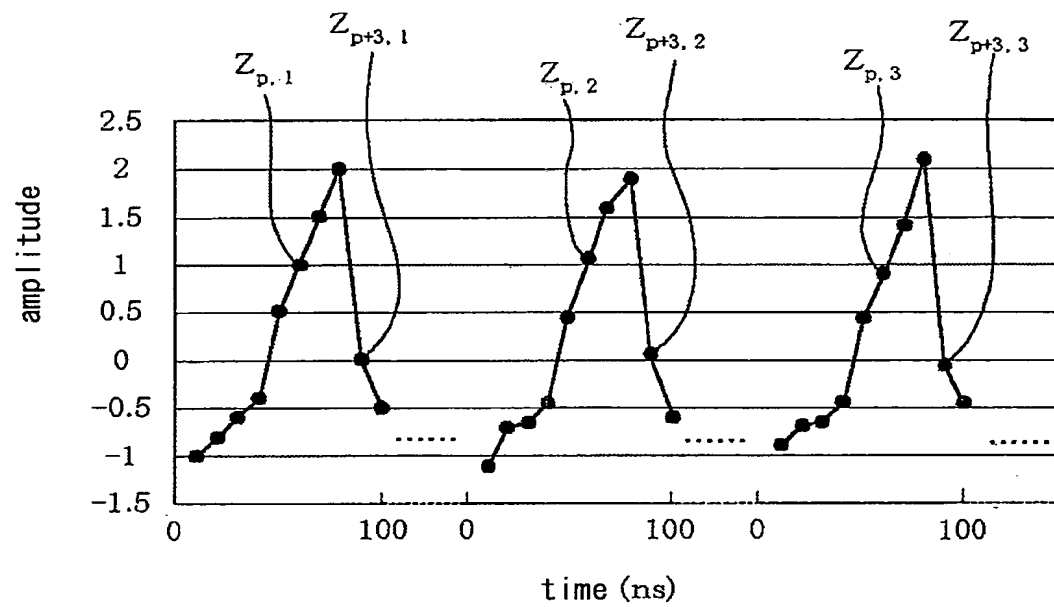


FIG. 4

Z_p, Z_{p+3} : time-series data of reproduced waveform
obtained by averaging times

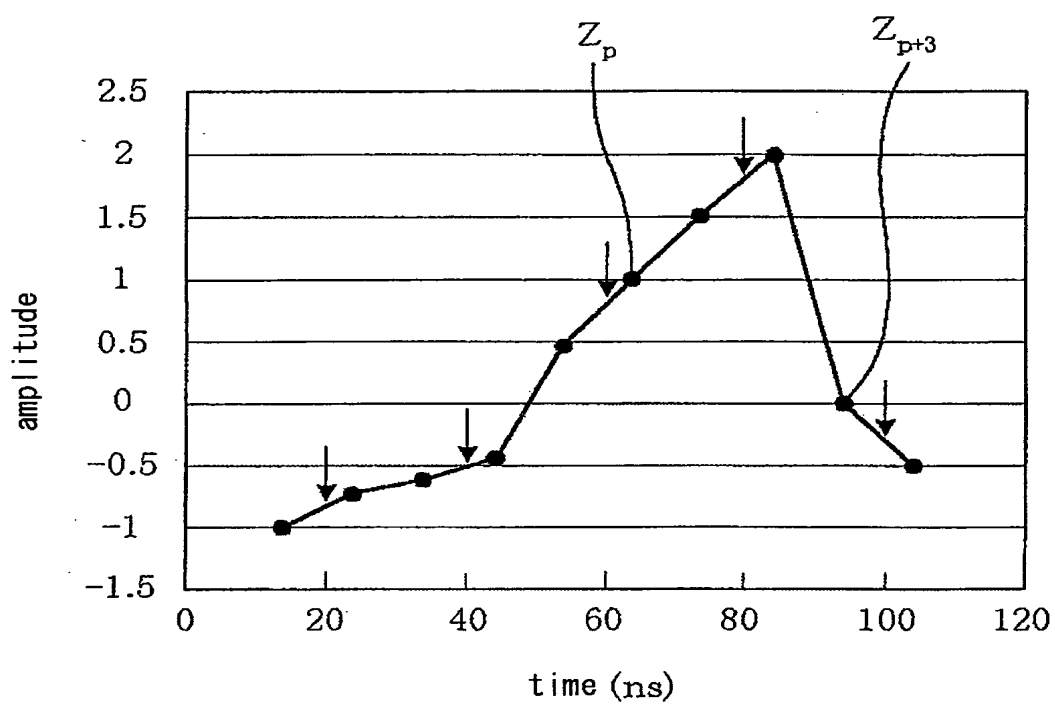


FIG. 5

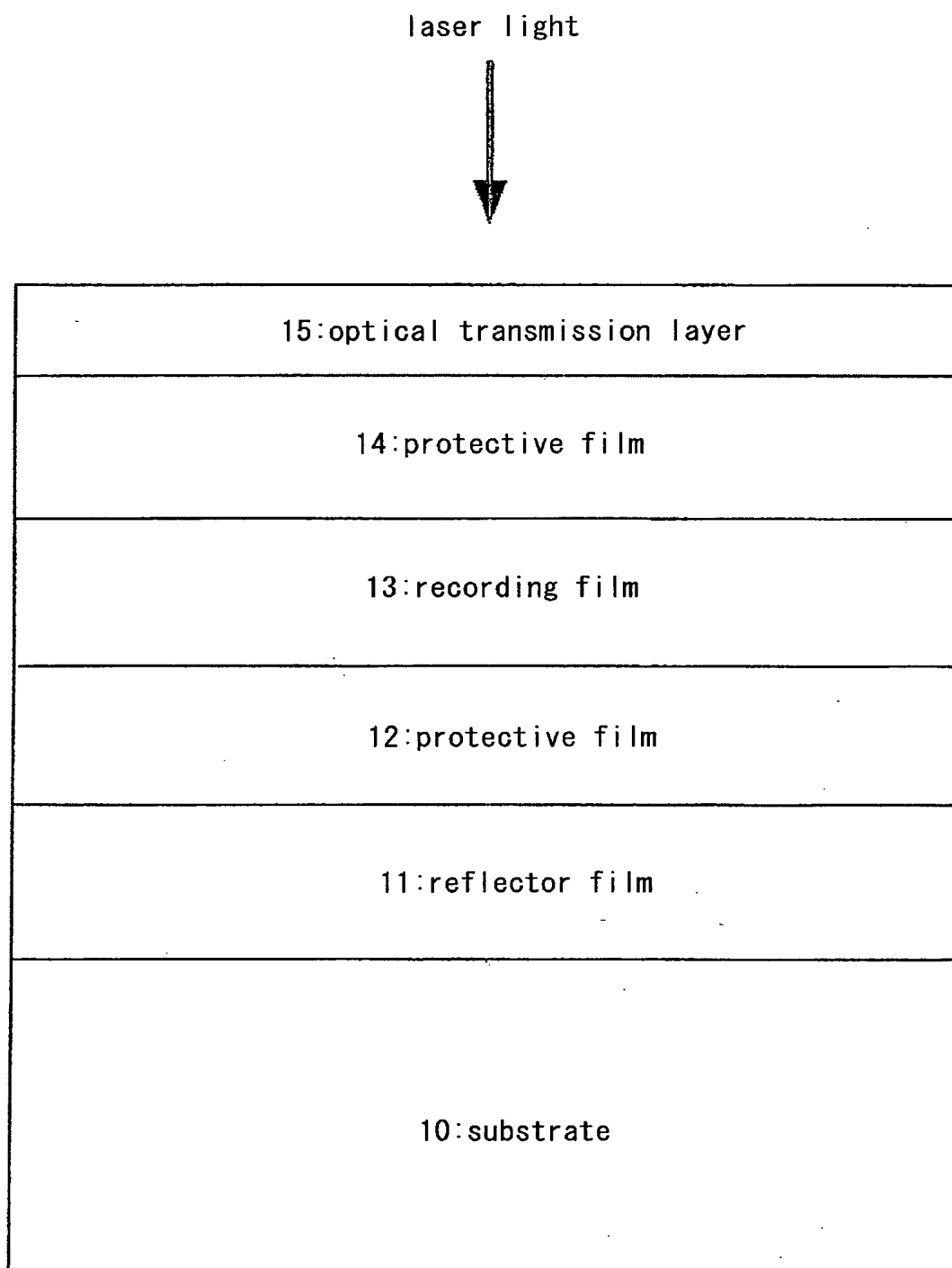
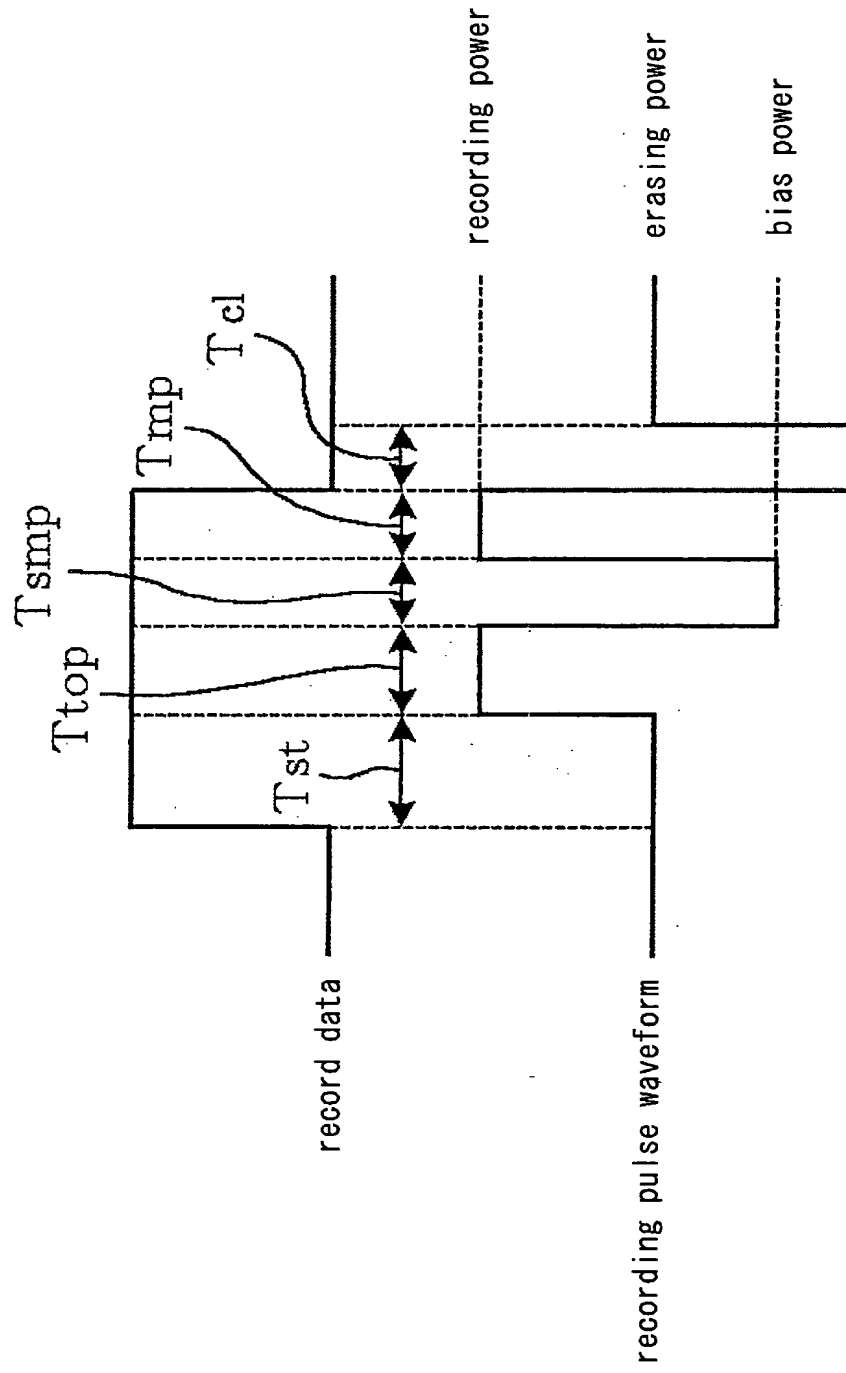


FIG. 6



T_{st} : starting period of top pulse start edge

T_{top} , T_{tmp} , T_{mp} , T_{sl} : pulse width

FIG. 7

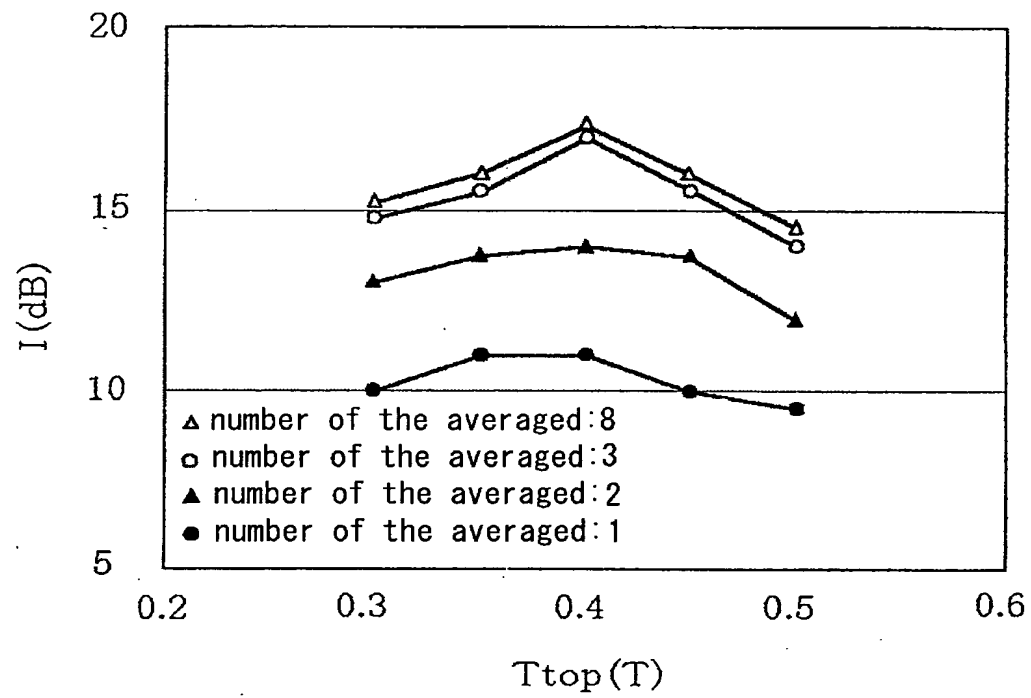


FIG. 8

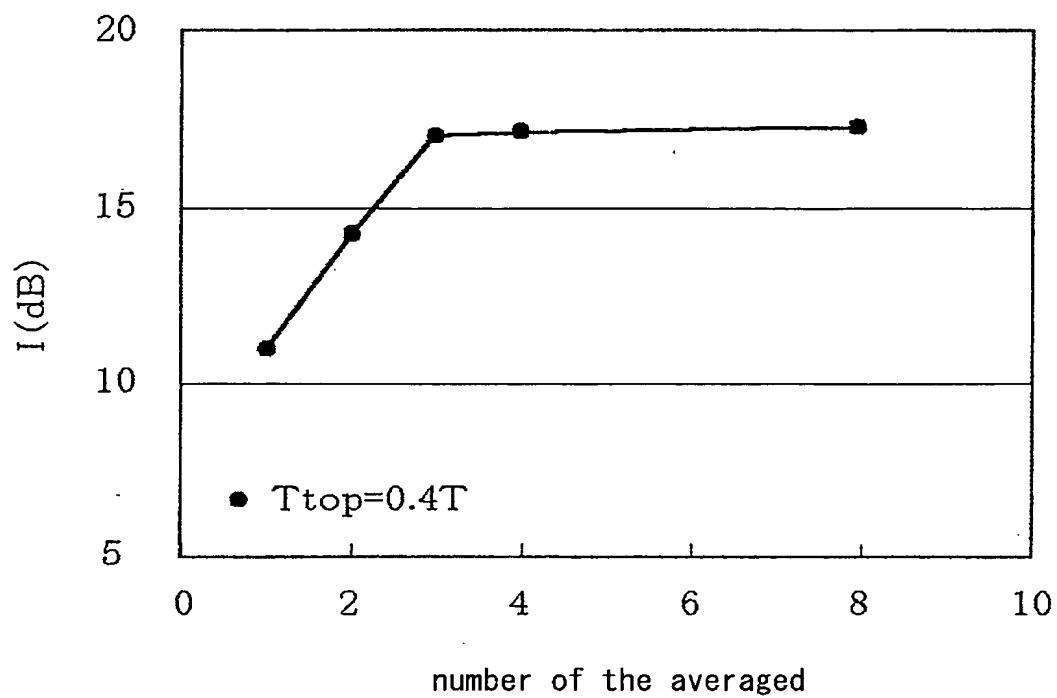


FIG. 9

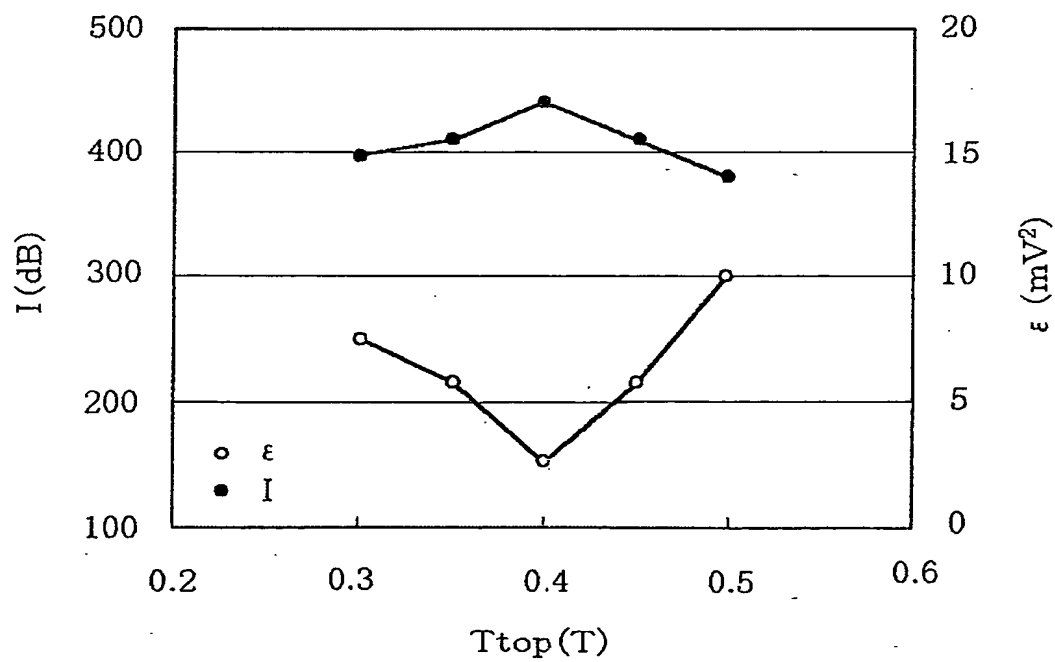


FIG. 10

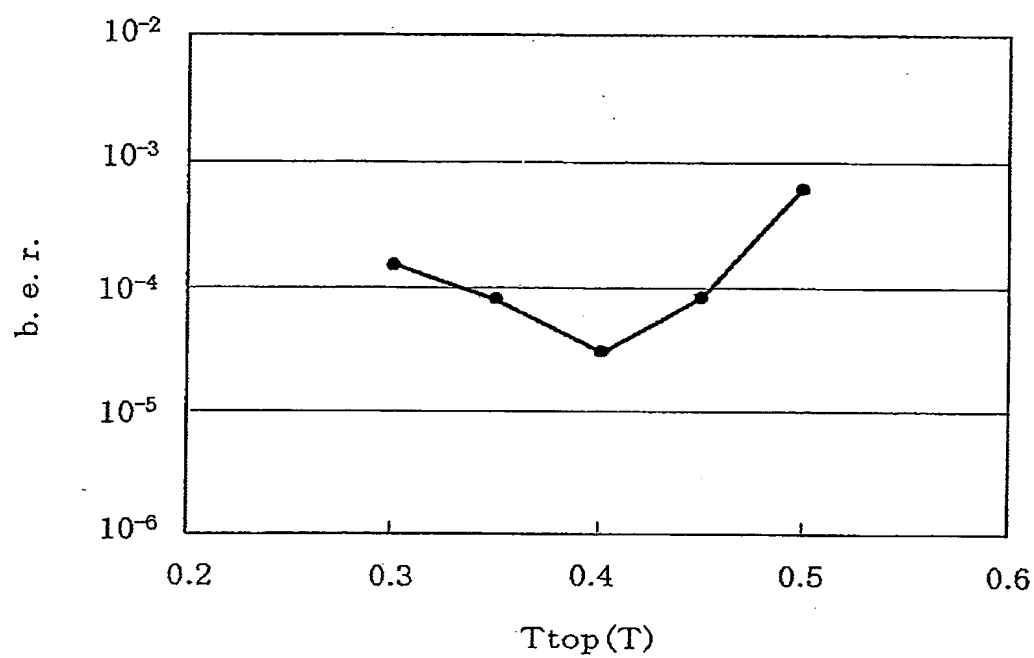


FIG. 11

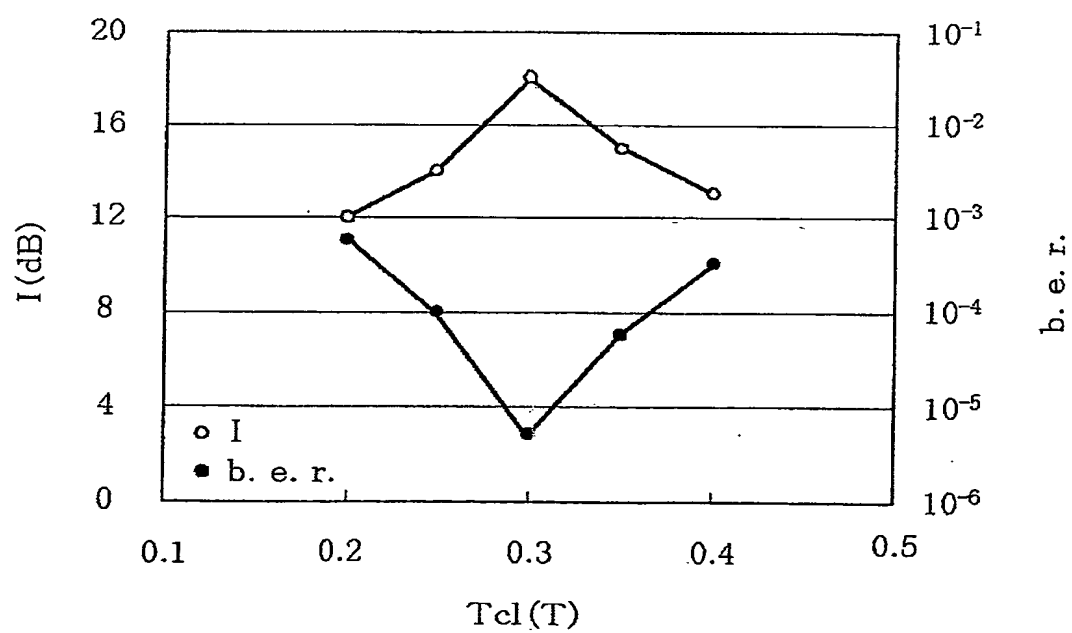


FIG. 12

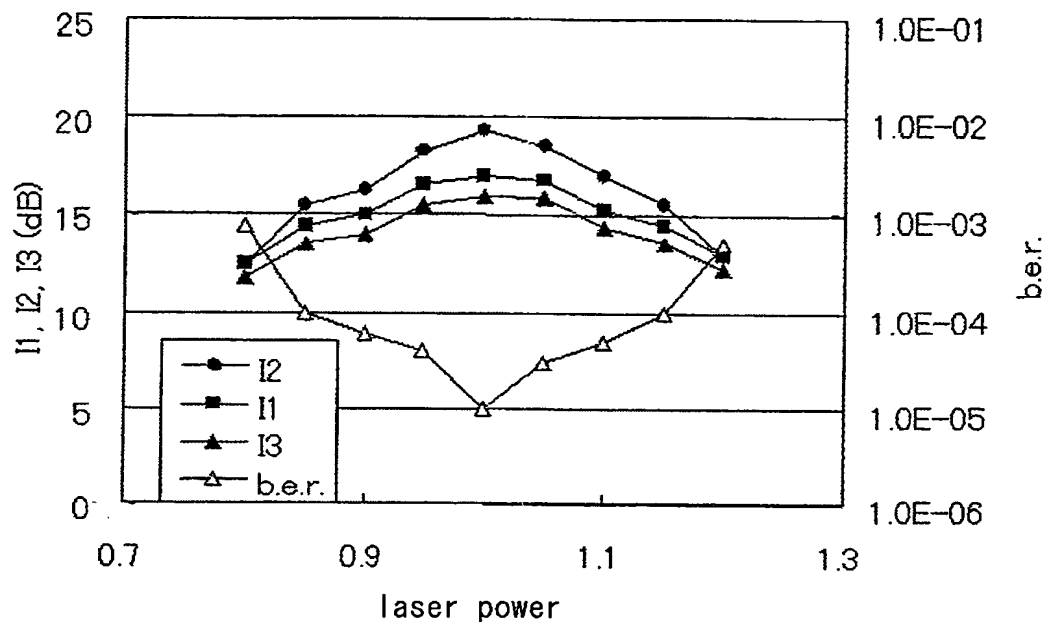


FIG. 13

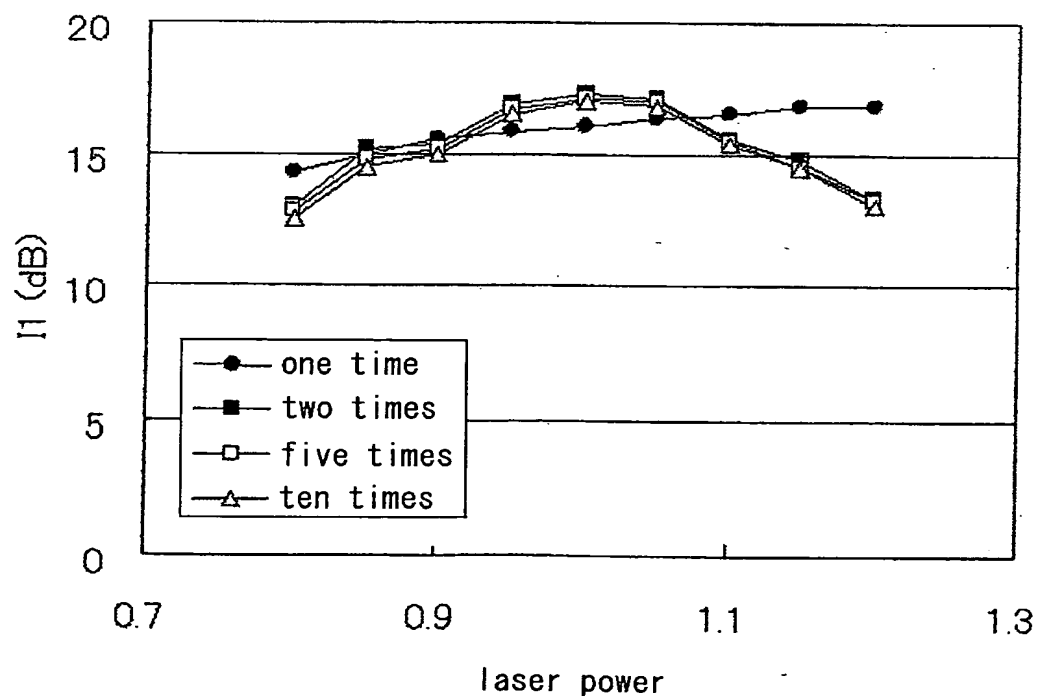


FIG. 14

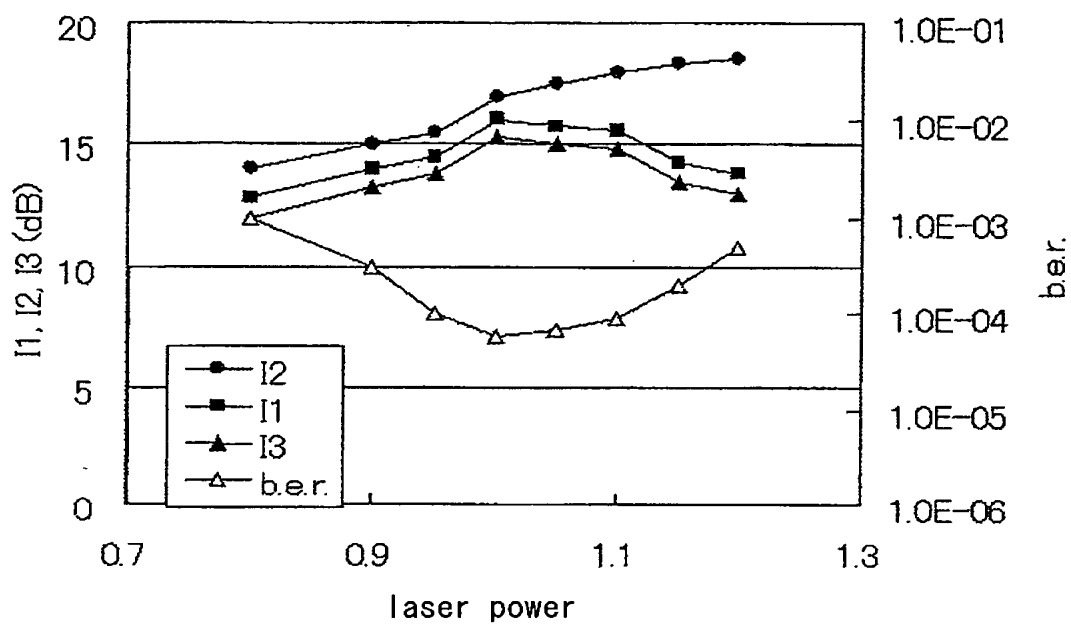


FIG. 15

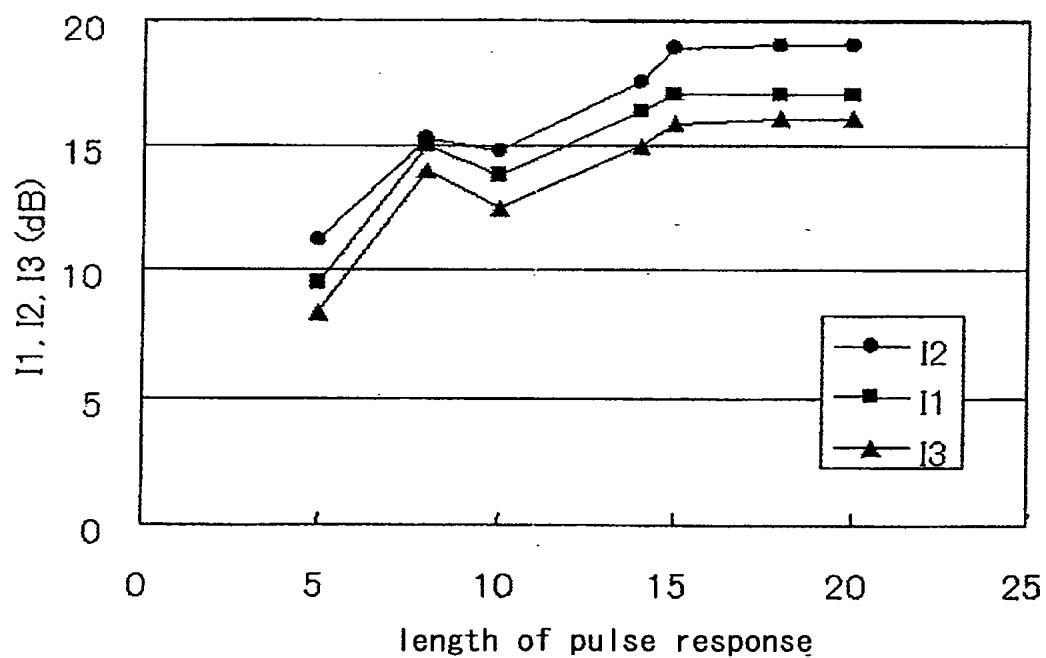


FIG. 16

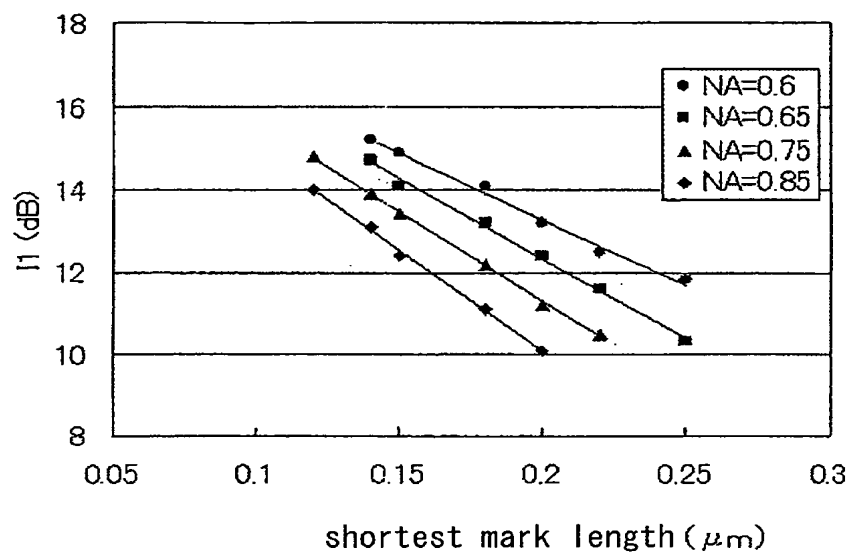


FIG. 17

